

Figure 1

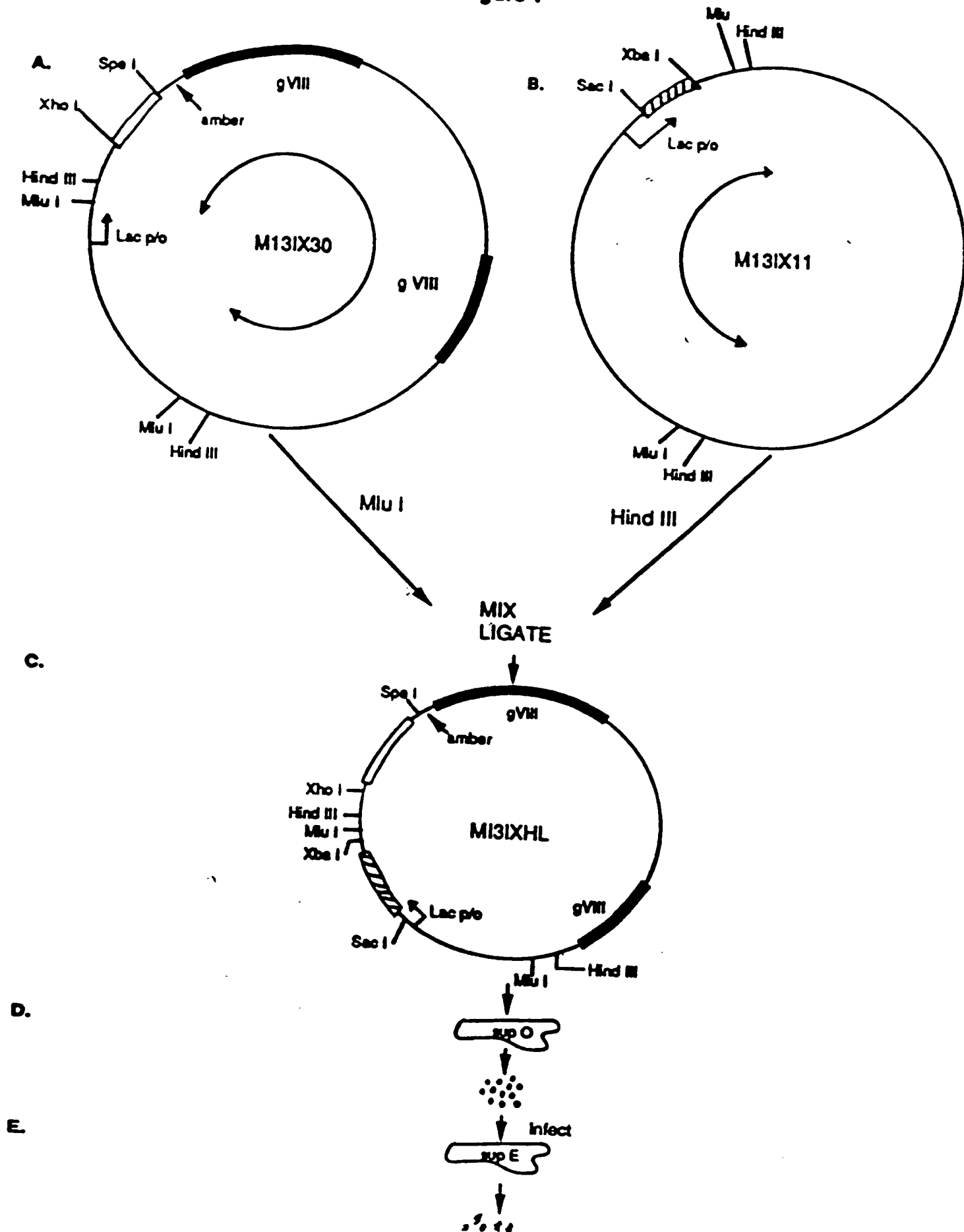


FIGURE 2-1

M131X30

	1	10	20	30	40	50	60
1	AATGCTACTA	CTATTAGTAC	AATTGATGCC	ACCTTTTCAG	CTCGCGCCCC	AAATGAAAT	60
61	ATAGCTAAAC	AGGTATTGA	CCATTTGCCA	AATGTATCTA	ATGGTCAAAC	TAAATCTACT	120
121	CGTTCCGAGA	ATTGGGAATC	AACTGTTACA	TGGAATGAAA	CTTCCAGACA	CCGTACTTTA	180
181	GTTGCATATT	TAAAACATGT	TGAGCTACAG	CACCAGATTC	AGCAATTAAG	CTCTAAGCCA	240
241	TCTGCAAAAA	TGACCTCTTA	TCAAAAGGAG	CAATTAAAGG	TACTCTCTAA	TCCTGACCTG	300
301	TTGGAGTTTG	CTTCCGCTCT	GGTTCCGCTT	GAAGCTCGAA	TTAAACGCG	ATATTGAAG	360
361	TCTTTCCGGG	TTCTCTTAA	TCTTTTGTAT	GCAATCCGCT	TTGCTTCTGA	CTATAATAGT	420
421	CAGGGTAAAG	ACCTGATTTT	TGATTTATGG	TCATTCTCGT	TTTCTGAAC	GTTTAAAGCA	480
481	TTTGAGGGGG	ATTCAATGAA	TATTTATGAC	GATTCCGCAG	TATTCCAGCC	TATCCAGTCT	540
541	AAACATTTTA	CTATTACCCC	CTCTGGCAAA	ACTTCTTTTG	CAAAAGCCTC	TCCGTATTTT	600
601	GGTTTTTATC	GTCGCTCGGT	AAACGAGGGT	TATGATAGTG	TTGCTCTTAC	TATGCCCTCGT	660
661	AATTCCTTTT	GGCGTTATGT	ATCTGCATTA	GTTGAATGTG	GTATTCCTAA	ATCTCAACTG	720
721	ATGAATCTTT	CTACCTGTAA	TAAATGTTGT	CCGTTAGTTC	GTTTTATTAA	CGTAGATTTT	780
781	TCTTCCCAAC	GTCCTGACTG	GTATAATGAG	CCAGTTCTTA	AAATCCGATA	AGGTAATTTCA	840
841	CAATGATTAA	AGTTGAAAT	AAACCATCTC	AAGCCCAATT	TACTACTCGT	TCTGGTGT	900
901	CTCGTCAGGG	CAAGCCTTAT	TCACTGAATG	AGCAGCTTTG	TTACGTTGAT	TTGGGTAATG	960
961	AATATCCGGT	TCTTGTCAAG	ATTACTCTTG	ATGAAGGTCA	CCCAGCCTAT	GCGCCTGGTC	1020
1021	TGTACACCGT	TCATCTGTCC	TCTTTCAAAG	TTGGTCAGTT	CGGTTCCCTT	ATGATTGACC	1080
1081	GTCTGGCGCT	CGTTCCGCT	AAGTAACATG	GAGCAGGTGG	CGGATTTCCA	CACAATTTAT	1140
1141	CAGGCGATGA	TCAAAATCTC	CGTTGTACTT	TGTTTTCCGC	TTGGTATAAT	CGCTGGGGGT	1200
1201	CAAAGATGAG	TGTTTTAGTG	TATTTCTTGG	CCTCTTTCTG	TTTAGGTTGG	TGCCCTTCGT	1260
1261	GTGGCATTAC	GTATTTTACC	CGTTTAAATG	AAACTTCCTC	ATGAAAAAGT	CTTTAGTCTT	1320
1321	CAAAAGCCTCT	GTAGCCGTTG	CTACCCCTCGT	TCCGATGCTG	TCTTTCCGCTG	CTGAGGGTGA	1380
1381	CGATCCCGCA	AAAGCGCCCT	TAACTCCCT	GCAAGCCTCA	CGCAGCCGAT	ATATCGGTTA	1440
1441	TCCGTGGCGG	ATGGTTGTGG	TCATTGTCCG	CGCAACTATC	GCTATCAAGC	TGTTTAAGAA	1500
1501	ATTACACCTG	AAAGCAAGCT	GATAAACCGA	TACAATTAAA	GGCTCCTTTT	GGAGCCTTTT	1560
1561	TTTTTGGAGA	TTTTCAACGT	CAAAAAATTA	TTATTCCCAA	TTCTTTTAGT	TGTTCTTTTC	1620
1621	TATTTCTACT	CCGCTGAAC	TGTTGAAAGT	TGTTTAGCAA	AACCCCATAC	AGAAAATTCA	1680
1681	TTTACTAACC	TCTGGAAAGA	CGACAAAAC	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT	1740
1741	CTGTGCAATG	CTACAGCCGT	TGTAGTTTGT	ACTGGTGACG	AAACTCAGTG	TTACGGTACA	1800
1801	TGGGTTCTTA	TTGGGCTTGG	TATCCCTGAA	AATGAGCGGTG	GTCGCTCTGA	GGGTGGCGGT	1860
1861	TCTGAGGGTG	GCGGTTCTGA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT	1920
1921	ATTCCCGGCT	ATACTTATAT	CAACCCCTCT	GACGGCACTT	ATCCGCTTGG	TACTGAGCAA	1980
1981	AACCCCGCTA	ATCTTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCAATGTT	2040
2041	CAGAAATAAT	GGTTCCGAAA	TAGGCAGGGG	GCATTAACTG	TTTATACGGG	CACGTGTACT	2100
2101	CAAGGCACTG	ACCCCGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC	AAAAGCCATG	2160
2161	TATGACGCTT	ACTGCAACGG	TAAATTCAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220
2221	GATCCATTGG	TTTGCAATA	TCAAGGCCAA	TGGTCTGACC	TGCCCAAC	TCTGTCAAT	2280
2281	GCTGGCGGGG	GCTCTGGTGG	TGGTCTGGT	GCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340
2341	GGCGGTTCTG	AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTTCGGGT	2400
2401	CATTTTGATT	ATGAAAGAT	GGCAACCGT	AATAAGGGGG	CTATCACCGA	AAATGCCCAT	2460
2461	CAAAACCGCG	TACAGTCTGA	CGCTAAAGGC	AAACTTGATT	CTGTGCTAC	TGATTACGGT	2520
2521	GCTGCTATGG	ATGGTTTCAT	TGGTGACGTT	TCCGCGCTTG	CTAATGGTAA	TGGTGGTACT	2580
2581	GGTGATTTTG	CTGGCTCTAA	TTCCCAATG	GCTCAAGTGC	GTCAGGGTGA	TAAATCACCT	2640
2641	TAAATGAATA	ATTTCGCTCA	ATATTACCT	TCCCTCCCTC	AAAGGGTTGA	ATGTGGCGCT	2700
2701	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTCTATTG	ATTGTGACAA	AAATAACTTA	2760
2761	TTCCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTTGCCACCT	TATGTATGT	ATTTTCTACG	2820
2821	TTTGCTAACA	TACTGCGTAA	TAGGAGTCT	TAAATCATGCC	AGTCTTTTGG	GGTATTCCGT	2880
2881	TATTAATGGG	TTTCTCGGT	TTCTTCTGG	TAACTTTGTT	CGGCTATCTG	CTTACTTTTC	2940
2941	TAAAAAGGG	CTTCCGTAA	ATAGCTATTG	CTATTTCATT	GTTTCTTGGT	CTTATTATTTG	3000
3001	GGCTTAACTC	AAATCTTGTG	GGTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT	3060
3061	TTGTTCAGGG	TGTTCACTTA	ATCTCCCGT	CTAATGCCCT	TCCCTGTTTT	TATGTTATTC	3120
3121	TCTCTGTAAA	GGCTGCTATT	TTCAATTTTG	AGGTTAAACA	AAAAATCGTT	TCTTATTTGG	3180
3181	ATTGGGATAA	ATAATATGGC	TGTTTATTTT	GTAAGTGGCA	AAATAGGCTC	TGGAAAGACG	3240
3241	CTCGTTAGCG	TTGGTAGAT	TCAGGATAAA	ATTGTAGCTG	GGTCAAAAT	AGCAACTAAT	3300
3301	CTTGATTTAA	GGCTTCAAAA	CCTCCCGCAA	GTCGGGAGCT	TCCGTAAAC	GCTCGCGTT	3360
3361	CTTAGAATAC	CGGATAGCC	TTCTATATCT	GATTTGCTTG	CTATTGGGCG	CGGTAATGAT	3420
3421	TCCTACGATG	AAAAATAAAA	CGCTTGCTT	GTTCTCGATG	AGTCCGGTAC	TTGGTTTAA	3480
3481	ACCCGTTCTT	GGAAATGATA	GGAAAGACAG	CCGATTTATG	ATTGGTTTCT	ACATGCTCGT	3540
3541	AAATTAGCAT	GGGATATTAT	TTTCTTGT	CAGGACTTAT	CTATTGTTGA	TAAACAGCGG	3600
3601	CGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTCGTGCTG	TGGACAGAA	TACTTTACCT	3660
3661	TTTGTCCGTA	CTTTATATTC	TCTTATTACT	GGCTCGAAAA	TGCCCTGGCC	TAAATTACAT	3720
3721	GTTGGCGTTG	TAAATATGCG	CGATTCTCAA	TTAAGCCCTA	CTGTGAGCG	TTGGCTTTAT	3780
3781	ACTGGTAAGA	ATTTGTATAA	CGCATATGAT	ACTAAACAGG	CTTTTCTAG	TAAATTATGAT	3840

FIGURE 2-2

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3841	TCCCGTGT	TTCTTATT	AACGCTTAT	TTATCACAG	GTCGGTATT	CAAACCATTA	3900
3901	AATTTAGGTC	ACAAGATCA	GCTTACTAAA	ATATATTTGA	AAAAGTTTT	ACCGGTTCT	3960
3961	TGTCTTCCGA	TTGGATTGC	ATCAGCAATT	ACATATAGTT	ATATAACCCA	ACCTAAGCCG	4020
4021	GAGGTAAAA	AGGTAGTCT	TCAGACCTAT	GATTTTGATA	AAATCACTAT	TCAGCTTCT	4080
4081	CAGCGTCTTA	ATCTAAGCTA	TGGTATGTT	TTCAAGGATT	CTAAGCGAAA	ATTAATTAAT	4140
4141	AGCCAGCATT	TACAGAAGCA	AGGTATTCA	CTCACATATA	TTGATTATG	TACTGTTTCC	4200
4201	ATTAATAAAG	GTAATTCAAA	TGAAATTGTT	AAATGTAATT	AAATTTGTTT	TCITCATGTT	4260
4261	TGTTTCATCA	TCTTCTTTG	CTCAGGTAAT	TGAAATGAAT	AAITCGCCTC	TCCGCGATT	4320
4321	TGTAACCTGG	TATTCAAAGC	AATCAGGCCA	ATCCGTTATT	GTTTCTCCCG	ATGTAAAAGC	4380
4381	TACTGTTACT	GTATATTCAT	CTGACGTTAA	ACCTGAAAAT	CTACGCAATT	TCITTAATTC	4440
4441	TGTTTTACGT	GCTAATAATT	TTGATATGGT	TGGTTCAATT	CCTTCCATAA	TTCAGAAGTA	4500
4501	TAAATCCAAAC	AATCAGCATT	ATATTGATGA	ATTGCCATCA	TCTGATAATC	AGGAATATGA	4560
4561	TGATAATTC	GCTCTTCTG	GTCGTTTCTT	TGTTCCGCAA	AAATGATAATG	TTACTCAAAC	4620
4621	TTTTAAAAAT	AATAACGTT	GCGCAAAGGA	TTTAATACGA	GTTGTGCAAT	TGTTTCTAAA	4680
4681	GTCTAATACT	TCTAAATCCT	CAATGTATT	ATCTATTGAC	GGCTCTAATC	TATTAGTTGT	4740
4741	TAGTGCACCT	AAAGATATT	TAGATAACCT	TCCTCAATTC	CTTCTACTG	TTGATTGGCC	4800
4801	AACCTGACCAG	ATATTGATTG	AGCGTTTGTAT	ATTTCAGGTT	CAGCAAGGTG	ATGCTTTAGA	4860
4861	TTTTTCAATT	GCTGCTGGCT	CTCAGCGTGG	CAGTGTGCA	GCGCGTGTTA	ATACTGACCG	4920
4921	CCTCACCTCT	GTTTTATCTT	CTGCTGGTGG	TTGCTTGGGT	ATTTTAAATG	GCGATGTTTT	4980
4981	AGGGCTATCA	GTTCCGCGAT	TAAAGACTAA	TAGCCATTCA	AAAAATTTGT	CTGTGCCACG	5040
5041	TATTTCTTACG	CTTTCAGGTC	AGAAGGCTTC	TATCTCTGTT	GCGCAGAATG	TCCCTTTTAT	5100
5101	TACTGGTCGT	GTGACTGGTG	AATCTGCCAA	TGTAATAAAT	CCATTTTACA	CGATTGACCG	5160
5161	TCAAAATGTA	GGTATTTCCT	TGAGCGTTTT	TCCTGTTGCA	ATGGCTGGCG	GTAAATATTGT	5220
5221	TCTGGATATT	ACCAGCAAGG	CCGATAGTTT	GAGTCTTCT	ACTCAGGCCA	GTGATGTTAT	5280
5281	TACTAATCAA	AGAAGTATTG	CTACAACGGT	TAAITTCGGT	GATGGACAGA	CTCTTTTACT	5340
5341	CGGTGGCCTC	ACTGATTATA	AAACACTTC	TCAAGATTCT	GCGGTACCGT	TCTGTCTTAA	5400
5401	AATCCCTTTA	ATCGGCTCTC	TGTTTAGCTC	CCGCTCTGAT	TCCAACGAGG	AAAGCACGTT	5460
5461	ATACGTGCTC	GTCAAAGCAA	CCATAGTAGC	CGCCTCTGAT	GCGGCAATTA	AGCGCGCGCG	5520
5521	GTGTGGTGGT	TACGCGCAGC	GTGACCGCTA	CAGTTGCCAG	GCGCCTAGCG	CCGCTCTCTT	5580
5581	TGGCTTTCTT	CCCTTCTCTT	TCCGCCACGT	TGCGCGGCTT	TCCCGCTCAA	GCTCTAAATC	5640
5641	GGGGGCTCCC	TTTAGGCTTC	CGATTTAGTG	CTTTACGGCA	CCTCGACCCC	AAAAAAGTTG	5700
5701	ATTTGGGTGA	TGGTTACGCT	AGTGGGCCAT	CGCCTTGATA	GACCGTTTTT	CGCCTTTTGA	5760
5761	CGTTGGAGTC	CACGTTCTTT	AATAGTGGAC	TCTTGTTCCT	AATCGGAACA	ACACTCAACC	5820
5821	CTATCTCGGG	CTATTCTTTT	GATTTATAG	GGATTTTGCC	GATTTGGGAA	CCACCATCAA	5880
5881	ACAGGATTTT	CGCCTGCTGG	GCAAAACCA	CGTGGACCGC	TTGCTGCAAC	TCTCTCAGGG	5940
5941	CCAGGCGGTG	AAGGGCAATC	AGCTGTTGCC	CGTCTCGCTG	GTCAAAAGAA	AAACCAACCT	6000
6001	GCGGCCCCAT	ACGCAAAACG	CCTCTCCCGC	CGCGTTGGCC	GATTCATTAA	TGCAGCTGGC	6060
6061	ACGACAGGTT	TCCCGACTCG	AAAGCGGGCA	GTGAGCGCAA	CGCAATTAAT	GTGAGTTAGC	6120
6121	TCACTCATTA	GCAACCCAC	GCTTACACT	TTATGCTTCC	GGCTCGTATG	TTGTGTGCAA	6180
6181	TTGTGAGCGG	ATAACAAATT	CACACCGGTC	ACTTGGCACT	GCGCGTCGTT	TTACAACGTC	6240
6241	GTGACTGGGA	AAACCCCTGC	GTTACCCAA	CTTGTACAT	CGAGAAAATA	AAGTGAACA	6300
6301	AAGCACTATT	GCATCGCAC	TCTTACCGTT	ACCGTTACTG	TTTACCCCTG	TGACAAAAGC	6360
6361	CGCCAGGTG	CAGCTGCTCG	AGTCAGGCGT	ATTGTGCCCA	GCGGATTGTA	CTAGTGGATC	6420
6421	CTAGGCTCAA	GCGCATGACC	CTGCTAAGGC	TGCATTCAAT	AGTTTACAGG	CAAGTCTTAC	6480
6481	TGAGTACATT	GGCTACGCTT	GCGCTATGCT	AGTAGTTATA	GTTGCTGCTA	CCATAGCEAT	6540
6541	TAAATTAATC	AAAAAGTTTA	CGAGCAAGGC	TTCTTAAGCA	ATAGCGAAGA	GCGCCGACCC	6600
6601	GATCGGCCCT	CCCAACAGTT	GCGCAGCCTG	AATCGCGAAT	GCGCGTTTGC	CTGGTTTCCG	6660
6661	GCACCAGAA	CGGTGCGGCA	AAGCTGGCTG	GAGTCCGATC	TTCTGAGGC	CGATACGGTC	6720
6721	GTGCTCCCTT	CAAACTGCA	GATGCACGGT	TACCATGCGC	CCATCTACAC	CAACCTAACC	6780
6781	TATCCCATTA	CGGTCAATTC	GCGGTTTGT	CCCACGGAGA	ATCCGACCGG	TTGTTACTCG	6840
6841	CTCACATTTA	ATGTTGATGA	AAGCTGGCTA	CAGGAAGGCC	AGACCGCAAT	TATTTTGTAT	6900
6901	GCGGTTCTTA	TTGGTTAAAA	AATGAGCTGA	TTTAACAAA	ATTTAACCGC	AATTTTAAAC	6960
6961	AAATATTAA	GTTTACAAAT	TAAATATTG	CTTATACAA	CTTCTCTTT	TTGGGCTTT	7020
7021	TCTGATTATC	AACCGGCTTA	CATATGATG	ACATGCTAGT	TTTACGATTA	CGGTTTATCG	7080
7081	ATTCTCTTGT	TTGCTCCAGA	CTCTCAGGCA	ATGACCTCAT	AGCCTTTGTA	GATCTCTCAA	7140
7141	AAATAGCTAC	CCTCTCCGCG	ATTAATTTAT	CAGCTAGAAC	GCTTGAATAT	CATATTGATG	7200
7201	GTGATTGAC	TGCTCTCGGC	CTTCTCACCC	CTTTTGAATC	TTTACCTACA	CATTACTCAG	7260
7261	GCATTTGCAAT	TAAATATAT	CAGGCTTCTA	AAAAATTTTA	TGCTTGGGTT	CAATATAAGG	7320
7321	CTTCTCCCGC	AAAGTATTA	CAGGCTCATA	ATGTTTTTGG	TACAACCEAT	TTAGCTTTAT	7380
7381	GCTCTGAGGC	TTTATTGCTT	AAITTTGCTA	ATTCTTTGCC	TTGCTGTAT	GATTTATTGG	7440
7441	ACGTT						7445

1	10	20	30	40	50	60
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FIGURE 3-1

M13Dx11

	10	20	30	40	50	60
1 AATGCTACTA CTATTAGTAG AATTGATGCC ACCTTTTCAG CTCGCGCCCC AAATGAAAAT 60						
61 ATAGCTAAAC AGGTATTGA CCAITTCGGA AATGTATCTA ATGGTCAAAC TAAATCTACT 120						
121 CGTTCCGAGA ATTCGGAATC AACTGTTACA TCGAATGAAA CTCCAGACA CCGTACTTTA 180						
181 GTTGCAATAT TAAACATGT TGAGCTACAG CACCAGATTC AGCAATTAAG CTCTAAGCCA 240						
241 TCCGCAAAAA TGACCTCTTA TCAAAAGGAG CAATTAAGG TACTCTCTAA TCCTGACCTG 300						
301 TTGGAGTTTG CTTCCGGTCT GGTTCGCTTT GAAGCTCGAA TTAACACGGC ATATTTGAAG 360						
361 TCTTTCCGGC TTCTCTTAA TCTTTTGAT GCAATCCGCT TTGCTTCTGA CTATAATAGT 420						
421 CAGGGTAAAG ACCTGATTTT TGATTATGG TCATTCTCGT TTCTGAACT GTTTAAAGCA 480						
481 TTTCAGGGGG ATTCAATGAA TATTATGAC GATTCCGCAG TATTGGACGC TATCCAGTCT 540						
541 AAACATTTTA CTATTACCCC CTCTGCCAAA ACTTCTTTTG CAAAAGCCTC TCGCTATTTT 600						
601 GGTTTTATAT CTCGTCTGGT AAACGAGGGT TATGATAGTG TTGCTCTTAC TATGCTCGT 660						
661 AATTCTTTT GGGCTTATGT ATCTGCCATTA GTTGAATGTG GTATTCTTAA ATCTCAACTG 720						
721 ATGAATCTTT CTACCTGTAA TAATGTTGTT CCGTTAGTTT GTTTTATTA CGTAGATTTT 780						
781 TCTTCCCAAC GTCTGACTG GTATAATGAG CCAGTTCTTA AAATCGCATA AGGTAATTCA 840						
841 CAATGATTAA AGTTGAAATT AAACCATCTC AAGCCCAATT TACTACTCGT TCTGGTGGTT 900						
901 CTCGTGAGGG CAAGCCTTAT TCACTGAAAG AGCAGCTTTG TTACGTTGAT TTGGGTAATG 960						
961 AATATCCGGT TCTGTCAAG ATTACTCTTG ATGAAGGTCA GCCAGCCTAT CGCCCTGGTC 1020						
1021 TGTACACCGT TCATTCTGCC TCTTCAAG TTGGTCAGTT CGGTTCCCTT ATGATTGACC 1080						
1081 GTCTCCGCTT CGTTCCGGCT AAGTAACATG GAGCAGGTG CGGATTTCTA CACAATTTAT 1140						
1141 CAGGCGATGA TACAAATCTC CGTTGACTT TGTTCGCGC TTGGTATAAT CGCTGGGGGT 1200						
1201 CAAAGATGAG TGTTTTAGTG TATCTTTTCG CCTCTTTCTG TTAGGTTGGC TGCCTTCGTA 1260						
1261 GTGGCATTAC GTATTTTACC CGTTAATGG AAACCTTCTC ATGAAAAAGT CTTTAGTCCT 1320						
1321 CAAAGCCTCT GTAGCCGTTG CTACCTCGT TCCGATGCTG TCTTTGCTG CTGAGGGTGA 1380						
1381 CGATCCCGCA AAAGCGGCTT TTAATCTCCT GCAAGCCTCA GCGACCGAAT ATATCGGTTA 1440						
1441 TGGCTGGGGC ATGGTTGTTG TCATTGTCCG CGCAACTATC GGTATCAAGC TGTTTAAGAA 1500						
1501 ATTACCTCTG AAAGCAAGCT GATAAACCGA TACAATTAAG GGCTCTCTTT GGAGCCTTTT 1560						
1561 TTTTTCGAGA TTTTCAAGCT GAAAAAATA TTATTCCGAA TTCTTTAGT TGTTCCTTTC 1620						
1621 TATTCTCACT CCGCTGAAC TGTGAAAGT TGTTTAGCAA AACCCCATAC AGAAAAATTA 1680						
1681 TTTACTAACC TCTGGAAGA CGACAAAAC TTAGATCGTT ACGCTAATA TGAGGGTTGT 1740						
1741 CTGTGGAATC CTACAGGCTT TGTAGTTTGT ACTGGTGACG AAACCTCAGT TTACGGTACA 1800						
1801 TGGGTTCTTA TTGGGCTTGA TATCCCTGAA AATGAGGGTG GTGGCTCTGA GGGTGGCGGT 1860						
1861 TCTGAGGGTG CCGGTTCTGA CCGTCCCGT ACTAAACCTC CTGAGTACGG TGATACACCT 1920						
1921 ATTCCGGGCT ATACTTAAT CAACCTCTCT GACGGCACTT ATCCGCTCG TACTGAGCAA 1980						
1981 AACCCCGCTA ATCTTAATCC TTCTCTGAG GAGTCTCAGC CTCTTAATAC TTTCATGTTT 2040						
2041 CAGAATAATA GGTTCGAAA TAGGCAGGGG GCATTAACTG TTTATACGGC CACTGTTACT 2100						
2101 CAAGGCATCT ACCCGTTAA AACTTATTAC CAGTACACTC CTGTATCATC AAAAGCCATC 2160						
2161 TATGACCGTT ACTGGAACG TAAATTCAGA GACTCGCGTT TCCATTCTGG CTTTAAATGA 2220						
2221 GATCCATTCT TTTGTGAATA TCAAGGCCAA TCGTCTGACC TGCTTCAACC TCCTGTCAAT 2280						
2281 GCTGGCGGCG GCTCTGGTGG TGGTTCTGGT GCGCGCTCTG AGGGTGGTGG CTCTGAGGGT 2340						
2341 GCGCGTTCTC AGGGTGGGCG CTCTGAGGGA GCGCGTTCCG GTGGTGGCTC TGGTTCCGGT 2400						
2401 GATTTTGATT ATGAAGAAT GCGAAACGCT AATAAGGGCG CTATGACCGA AAATGCCAAT 2460						
2461 GAAACCGGCG TACAGTCTGA CGCTAAAGGC AAACCTTGAT CTGTCCGTAC TGATTACGGT 2520						
2521 GCTGCTATCT ATGCTTTCA TCGTGACCTT TCCGCGCTTG CTAATGGTAA TGGTGCTACT 2580						
2581 GGTGATTTTG CTGGCTTAA TTCCCAATG GCTCAAGTGG GTGACGGTGA TAATTCACCT 2640						
2641 TTAATGAATA ATTTCCGTA ATATTACCT TCCCTCCCTC AATCGGTTGA ATGTCCGCT 2700						
2701 TTTGCTTTTA CCGCTGATA ACCATATGAA TTTCTATTG ATTGTGACAA AATAAACTTA 2760						
2761 TTCCGTGGTG TCTTTGGCT TCTTTATAT GTTGCCACCT TTATGTATGT ATTTTCTACC 2820						
2821 TTTGCTAACA TACTGCTAA TAAGGAGTCT TAATCATGCC AGTTCTTTTG GGTATTCCGT 2880						
2881 TATTATTTGG TTTCTGGT TTCTTCTGG TAACCTTTGT CCGCTATCTG CTTACTTTTC 2940						
2941 TTAATAAGGG CTTCGGTAG ATAGCTATTG CTATTTCATT GTTCTTGGT CTTATTATTG 3000						
3001 GCGTTAACTC AATTCTGTG GGTATCTCT CTGATATTAG CGCTCAATTA CCGTCTGACT 3060						
3061 TTGTTCAGGG TGTTCAGTTA ATCTCCCGT CTAATGCGCT TCCCTGTTTT TATGTTATTC 3120						
3121 TCTCTGTAAA GGCTGCTAT TTCAITTTTG ACGTTAACA AAAATCGTT TCTTATTGG 3180						
3181 ATTGGGATAA ATAAATAGC TGTTTATTT GTAACTGCA AATTAGGCTC TCGAAAGACG 3240						
3241 CTCGTTAGCG TTGGTAGAT TCAGGATAAA ATGTAGCTG GGTGCAAAAT AGCAACTAAT 3300						
3301 CTTGATTTAA GCGTTCAAAA CCTCCCGCAA GTGGGAGGT TCGCTAAAAC GCGTCCGCTT 3360						
3361 CTTAGAATAC CGGATAGCC TTCTATATCT GATTGCTTG CTATTGGGGC CGGTAAATGA 3420						
3421 TCCTACGATG AAAATAAAA CGGCTTGGTT GTTCTCGATG AGTCCGGTAC TTGGTTTAA 3480						
3481 ACCCGTTCTT GCAATGATA GGAAGACAG CCGATTATTG ATTGGTTTCT ACATGCTCGT 3540						
3541 AAATTACGAT GCGATATTAT TTTCTTTGTT CAGGACTTAT CTATTGTTGA TAAACAGGGC 3600						
3601 CGTTCTGCAT TAGCTGACA TGTGTTTAT TGTCTGCTG TCGACAGAA TACTTTACCT 3660						
3661 TTTGTCGGTA CTTTATATC TCTTATTACT CGCTCGAAAA TGCCCTCGCC TAAATTACAT 3720						
3721 GTTGGCGTTG TTAATATGG CGATTCTCAA TTAAGCCTTA CTGTTGAGCG TTGGCTTTAT 3780						
3781 ACTCGTAAGA ATTTGTATA CGCATATCAT ACTAAACAGG CTTTTTCTAG TAATTATGAT 3840						

FIGURE 3-2

3841	TCCCGTCTTT	ATTCTTATTT	AAGCCCTTAT	TTATCACACG	GTCGGTATTT	CAAACCATTA	3900
3901	AATTTAGGTC	AGAAGATGAA	GCTTACTAAA	ATATATTTGA	AAAAGTTTTT	ACCGCTTCTT	3960
3961	TGCTTTGCCA	TTGGATTTTC	ATCAGCATTT	ACATATAGTT	ATATAACCCA	ACCTAAGCCC	4020
4021	GAGGTTAAAA	AGGTAGTCTC	TCAGACCTAT	GATTTTGATA	AATTCACTAT	TGACTCTTCT	4080
4081	CAGCGTCTTA	ATCTAAGCTA	TCGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT	4140
4141	AGCGACGATT	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTTATG	TACTGTTTTCC	4200
4201	ATTAAAAAAG	GTAATTCMA	TGAAATGTTT	AAATGTAATT	AATTTTCTTT	TCTTGATGTT	4260
4261	TGTTTTCATCA	TCTTCTTTTC	CTCAGGTAAT	TGAAATGAAT	AATTCGGCTC	TCCGCGATTT	4320
4321	TGTAACCTGG	TATTCAAAGC	AATCAGGCCA	ATCCGTTATT	GTTTCTCCCG	ATGTAAGG	4380
4381	TACTGTTACT	GTATATTCAI	CTCAGGTTAA	ACCTGAAAAT	CTACGCAATT	TCTTTATTTC	4440
4441	TGTTTTACGT	GCTAATAATT	TTGATATGCT	TGGTTCAATT	CCTTCCATAA	TTCAGAAGTA	4500
4501	TAAATCCAAAC	AATCAGGATT	ATATTGATGA	ATTGCCATCA	TCTGATAATC	AGGAATATGA	4560
4561	TGATAAATTC	GCTCCTTCTC	GTGGTTTCTT	TGTTCCGCAA	AATGATAATG	TTACTCAAAC	4620
4621	TTTTAAAAAT	AATAACGTTT	CGGCAAGGA	TTTAATACGA	GTTGTCGAAT	TGTTTGTAAG	4680
4681	GTCTAATACT	TCTAAATCTT	CAATGTATT	ATCTATTGAC	GGCTCTAATC	TATTAGTTGT	4740
4741	TAGTGACACT	AAAGATATT	TAGATAACCT	TCCTCAATTC	CTTCTACTCT	TTGATTTGCC	4800
4801	AACCTGACCAG	ATATTGATTC	AGGTTTGAT	ATTTGAGGTT	CAGCAAGGTG	ATGCTTTAGA	4860
4861	TTTTTCAATTT	GCTGCTGGCT	CTCAGCGTGG	CACGTGTGCA	GGCGGTGTTA	ATACTGACCC	4920
4921	CCTCACCCTCT	GTTTTAICTT	CTGCTGGTGG	TTGTTCCGGT	ATTTTTAATG	GGCATGTTTT	4980
4981	AGGGCTATCA	GTTCCGCCAT	TAAAGACTAA	TAGCCATTCA	AAAATATTGT	CTGTGCCACC	5040
5041	TATTTCTTACG	CTTTCAGGTC	AGAAGGGTTC	TATCTCTGTT	GGCCAGAAATG	TCCCTTTTAT	5100
5101	TACTGGTCCGT	GTGACTGGTG	AACTGCCAA	TGTAATAAAT	CCATTTTACA	CGATTGAGCG	5160
5161	TCAAAATGTA	GCTATTTCOA	TGAGCGTTTT	TCCTGTTGCA	ATGGCTGGCG	GTAATATTGT	5220
5221	TCTCGGATATT	ACCAGCAGGG	CCEATAGTTT	GAGTTCTTCT	ACTCAGGCAA	GTGATGTTAT	5280
5281	TACTAATCAA	AGAAGTATTC	CTACAACGGT	TAATTTCCGT	GATGGACAGA	CTCTTTTACT	5340
5341	CGGTGCGCTC	ACTGATATA	AAACACTTC	TCAAGATTCT	GGCGTACCGT	TCCTGTCTAA	5400
5401	AATCCCTTTA	ATCGGCTTCC	TGTTAGCTC	CCGCTCTGAT	TCCAACGAGG	AAAGCACGTT	5460
5461	ATACGTGCTC	GTCAAAGCAA	CCATAGTACC	CGCCCTGTAG	CGGCGCATTA	AGCGCGGCGG	5520
5521	GTGTCGTGGT	TACCGCCAGC	GTGACCGCTA	CACTTGCCAG	CGCCCTAGCG	CCCGCTCTCT	5580
5581	TGCTTTTCTT	CCCTTCTTTT	CTCGCCACGT	TGCGCGGCTT	TCCCGCTCAA	GCTCTAAATC	5640
5641	GGGGGCTCCC	TTTAGGGTTC	CGATTTAGTG	CTTTACGGCA	CCTCGACCCC	AAAAAACTTG	5700
5701	ATTTGGGTGA	TGGTTCAGGT	AGTGGGCCAT	CGCCCTGATA	GACGGTTTTT	CGCCCTTTGA	5760
5761	CGTTGGAGTC	CACGTTCCTT	AATAGTGGAC	TCTTGTTCOA	AACGTGAACA	ACACTCAACC	5820
5821	CTATCTCGGG	CTATTCTTTT	CAITTAATAG	GGATTTTGCC	GATTTCCGAA	CCACCATCAA	5880
5881	ACAGGATTTT	CGCCTGCTGG	GGCAAGCCAG	CGTGGACCGC	TTGCTGCAAC	TCTCTCAGGG	5940
5941	CCAGGCGGTC	AAGGGCAATC	AGCTGTTGCC	CGTCTCGCTG	GTGAAAAGAA	AAACCACCTT	6000
6001	GGCGGCCAAAT	ACGCAAGCCG	CCTCTCCCTG	CGCGTTGGCC	GATTCATTAA	TGCAGCTGGC	6060
6061	ACACACAGGT	TCCGCACTGG	AAAGCGGGCA	GTGAGCGCAA	CGCAATTAAT	GTGAGTTAGC	6120
6121	TACTCATTA	GGCACCCAG	GCTTTACACT	TTATGCTTCC	GGCTCGTATG	TTGTGTGGAA	6180
6181	TTGTGAGCGG	ATAACAATTT	CACACGCCAA	GGAGACAGTC	ATAATGAAAT	ACCTATTGCC	6240
6241	TACCGGACGC	GCTGGATTGT	TATTACTCGC	TGCCCCAACC	GCCATGGCCC	AGCTCGTGAT	6300
6301	GACCCAGACT	CCAGATATCC	AACAGGAATG	AGTGTTAATT	CTAGAAGCGC	TCACTTGCCA	6360
6361	CTGGCCGTGC	TTTTACAGCC	TGCTGACTGG	GAAAAACCTG	CGGTTACCCA	AGCTTAATCC	6420
6421	CCTTGCAGAA	TTCCCTTTTC	CCAGCTGGGG	TAATAGCGAA	GAGGCCCGCA	CCGATCGCCC	6480
6481	TTCCCAACAG	TTGCCAGCC	TGAATGGCGA	ATGGCGCTTT	GCTCGGTTTC	CGGCACCAGA	6540
6541	AGCGGTGCCC	GAAAGCTGGC	TGGAGTGCGA	TCTTCTGAG	GCCGATACGG	TGCTGTGCCC	6600
6601	CTCAAACTGG	CAGATGCCAG	GTTACGATGC	GCCCATCTAC	ACCAACGTAA	CCTATCCCAT	6660
6661	TACGGTCAAT	CCGCCCTTTC	TTCCACGGCA	GAATCCGAGC	GGTTCCTTACT	CGCTCACATT	6720
6721	TAATGTTGAT	GAAAGCTGGC	TACAGGAAGG	CCAGACGCGA	ATTATTTTTC	ATGGCGTTCC	6780
6781	TATTGGTTAA	AAAATGAGCT	CAITTAACAA	AAATTTAAGC	CGAATTTTAA	CAAAATATTA	6840
6841	ACGTTTACAA	TTTAAATATT	TGCTTATACA	ATCTTCTGTT	TTTGGGGGCT	TTTCTGATTA	6900
6901	TCAACCGGGG	TACATATGAT	TGACATGCTA	GTTTTACGAT	TACCGTTTCAI	CGATTCTCTT	6960
6961	GTTTGGTCCA	GACTCTGAGG	CAATGACCTG	ATAGCGTTTG	TAGATCTCTC	AAAAATAGCT	7020
7021	ACCCCTCTCC	GCAATTAATT	ATCAGCTAGA	ACGGTTGAAT	ATCATATTGA	TGGTGATTTG	7080
7081	ACTGTCTCCG	GCTTTTCTCA	CCCTTTTGAA	TCTTTACCTA	CACATTACTC	AGGCATTGCA	7140
7141	TTTTAAATAT	ATGAGGGTTC	TAAAAATTTT	TATCCTTGCG	TTGAAATAAA	GGCTTCTCCC	7200
7201	GCAAAAGTAT	TACAGGGTCA	TAAATGTTTT	GGTACAACCG	ATTAGCTTTT	ATGCTCTGAG	7260
7261	GCTTTATTGC	TAAATTTTGC	TAAATTTTGC	CCTTGCTGTG	ATGATTTATT	CGATGTTT	7320

FIGURE 4-1

IX13

	10	20	30	40	50	60	
1	AATGCTACTA	CTATTAGTAG	AATTGATGCC	ACCTTTTCAG	CTCGCGCCCC	AAATGAAAAT	60
61	ATAGCTAAAC	AGGTTATTGA	CCATTTCGGA	AATGTATCTA	ATGGTCAAAC	TAAATCTACT	120
121	CGTTCCGAGA	ATTGGGAATC	AACTGTTACA	TGGAATGAAA	CTTCCAGACA	CCGTACTTTA	180
181	GTTGCATATT	TAAAACATGT	TGAGCTACAG	CACCAGATTC	AGCAATTAAG	CTCTAAGCCA	240
241	TCCGCAAAAA	TGACCTCTTA	TCAAAGGAG	CAATTAAAGG	TACTCTCTAA	TCCTGACCTG	300
301	TTGGAGTTTG	CTTCCGGTCT	GGTTCGCTTT	GAAGCTCGAA	TAAAACGCG	ATATTTGAAG	360
361	TCTTTCCGGC	TTCCTCTTAA	TCTTTTGTAT	GCAATCCGCT	TGCTTCTGA	CTATAATAGT	420
421	CAGGGTAAAG	ACCTGATTTT	TGATTATG	TCATTCTCGT	TTTCTGAAGT	GTTTAAAGCA	480
481	TTTGAGGGGG	ATTCAATGAA	TATTATGAC	GATTCGCCAG	TATTGGACGC	TATCCAGTCT	540
541	AAACATTTTA	CTATTACCCC	CTCTGSCAAA	ACTTCTTTTG	CAAAAGCCTC	TCGCTATTTT	600
601	GGTTTTTATC	GTCGTCTGGT	AAACGAGGGT	TATGATAGTG	TGCTCTTAC	TATGCCTCGT	660
661	AATTCCTTTT	GGCGTTATGT	ATCTGCATTA	GTTGAATGTG	GTATTCTTAA	ATCTCAACTG	720
721	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT	CCGTTAGTTC	GTTTTATTAA	CGTAGATTTT	780
781	TCTTCCCAAC	GTCCTGACTG	GTATAATGAG	CCAGTTCCTA	AAATCGCATA	AGGTAATTCA	840
841	CAATGATTAA	AGTTGAAATT	AAACCATCTC	AAGCCCAATT	TACTACTCGT	TCTGGTGT	900
901	CTCGTCAGGG	CAAGCCTTAT	TCACTGAATG	AGCAGCTTTG	TTACGTTGAT	TTGGGTAATG	960
961	AATATCCGGT	TCTTGTCAAG	ATTACTCTTG	ATGAAGGTCA	GCCAGCCTAT	GCGCCTGGTC	1020
1021	TGTACACCGT	TCATCTGTCC	TCTTTCAAAG	TTGGTCAGTT	CGGTTCCCTT	ATGATTGACC	1080
1081	GTCTGCGCCT	CGTTCCGGCT	AAGTAACATG	GAGCAGGTCC	CGGATTTCGA	CACAATTAT	1140
1141	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTCGCGC	TGGTATAAT	CGCTGGGGGT	1200
1201	CAAAGATGAG	TGTTTATAGT	TATTCTTTCC	CCTCTTTCTG	TTTAGGTTGG	TGCCTTCGTA	1260
1261	GTGGCATTAC	GTATTTTACC	CGTTTAATGG	AAACTTCCTC	ATGAAAAAGT	CTTTAGTCCT	1320
1321	CAAAGCCTCT	GTAGCCGTTG	CTACCCTCGT	TCCGATGCTG	TCTTTCGCTG	CTGAGGGTGA	1380
1381	CGATCCCGCA	AAAGCGGCCT	TAACTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCCGTTA	1440
1441	TGCGTGGGCG	ATGGTTGTTG	TCATTGTCCG	CGCAACTATC	GGTATCAAGC	TGTTTAAGAA	1500
1501	ATTCACCTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAA	GGCTCCTTTT	GGAGCCTTTT	1560
1561	TTTTTGGAGA	TTTCAACGT	GAAAAAATTA	TTATTCCGAA	TTCCCTTAGT	TGTTCCCTTC	1620
1621	TATTCTCACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AACCCCATAC	AGAAAAATTA	1680
1681	TTTACTAACG	TCTGGAAAGA	CGACAAAAC	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT	1740
1741	CTGTGGAATG	CTACAGGCGT	TGTAGTTTGT	ACTGGTGACG	AAACTCAGTG	TTACGGTACA	1800
1801	TGGGTTCCCTA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA	GGGTGGCGGT	1860
1861	TCTGAGGGTG	GCGGTTCTGA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT	1920
1921	ATTCGGGGCT	ATACTTATAT	CAACCCTCTC	GACGGCACTT	ATCCGCTG	TACTGAGCAA	1980
1981	AACCCCGCTA	ATCCTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTTT	2040
2041	CAGAATAATA	GGTTCCGAAA	TAGGCAGGGG	GCATTAAC	TTTATACGGG	CACGTGTACT	2100
2101	CAAGGCACTG	ACCCCGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC	AAAAGCCATG	2160
2161	TATGACGCTT	ACTGGAACGG	TAAATTCAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220
2221	GATCCATTCC	TTTGTGAATA	TCAAGGCCAA	TCGTCTGACC	TGCCTCAACC	TCTGTCAAT	2280
2281	GCTGGCGGCG	GCTCTGGTGG	TGGTCTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340
2341	GGCGGTTCTG	AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTCCGGT	2400
2401	GATTTTGATT	ATGAAAAGAT	GGCAAACGCT	AATAAGGGGG	CTATGACCGA	AAATGCCGAT	2460
2461	GAAAACGCGC	TACAGTCTGA	CGCTAAAGGC	AAACTTGATT	CTGTCGCTAC	TGATTACGGT	2520
2521	GCTGCTATCG	ATGGTTTCAT	TGGTGACGTT	TCCGGCCTTG	CTAATGGTAA	TGGTGCTACT	2580
2581	GGTGATTTTG	CTGGCTCTAA	TTCCCAAATG	GCTCAAGTCG	GTGACGGTGA	TAATTCACCT	2640
2641	TTAATGAATA	ATTTCCGTCA	ATATTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTCGCCCT	2700
2701	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTTCTATTG	ATTGTGACAA	AATAAACTTA	2760
2761	TTCCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTGCCCACCT	TTATGTATGT	ATTTTCTACG	2820
2821	TTTGCTAACA	TACTGCGTAA	TAAGGAGTCT	TAATCATGCC	AGTTCTTTTG	GGTATTCCGT	2880
2881	TATTATTGCG	TTTCTCCGGT	TTCTTCTGG	TAACCTTTGT	CGGCTATCTG	CTTACTTTTC	2940
2941	TTAAAAAGGG	CTTCGGTAAG	ATAGCTATTG	CCTGTTTCTT	GCTCTTATTA	TTGGGCTTAA	3000
3001	CTCAATTCTT	TGGGTTATC	TCTCTGATAT	TAGCGCTCAA	TTACCTCTG	ACTTTGTTC	3060
3061	GGGTGTTTCA	TTAATCTCC	CGTCTAATGC	GCTTCCCTGT	TTTTATGTTA	TCTCTCTGT	3120
3121	AAAGGCTGCT	ATTTTCATTT	TTGACGTTAA	ACAAAAATC	GTTTCTTATT	TGGATTGGGA	3180
3181	TAAATAATAT	GGCTGTTTAT	TTTGTAAC	GCAAATTAGG	CTCTGGAAAG	ACGCTCGTTA	3240
3241	GCGTTGGTAA	GATTGAGGAT	AAAATTGTAG	CTGGGTGCAA	AATAGCAACT	AATCTTGATT	3300
3301	TAAGGCTTCA	AAACCTCCCG	CAAGTCGGGA	GGTTCGTA	AACGCTCGC	GTTCTTAGAA	3360
3361	TACCGGATAA	GCCTTCTATA	TCTGATTTGC	TTGCTATTGG	GCGCGGTAAT	GATTCTTACG	3420
3421	ATGAAAATAA	AAACGGCTTG	CTTGTCTCCG	ATGAGTGCGG	TACTTGGTTT	AATACCCGTT	3480
3481	CTTGGAAATG	TAAGGAAAGA	CAGCCGATTA	TTGATTGGTT	TCTACATGCT	CGTAAATTAG	3540
3541	GATGGGATAT	TATTTTCTTT	GTTTCAGGACT	TATCTATTGT	TGATAAACAG	GCGCGTTCTG	3600
3601	CATTAGCTGA	ACATGTTGTT	TATTGTCTGC	GTCTGGACAG	AATTACTTTA	CCTTTTGTCC	3660
3661	GTACTTTTATA	TTCTCTTATT	ACTGGCTCGA	AAATGCCTCT	GCCTAAATTA	CATGTTGGCG	3720
3721	TTGTAAATAA	TGGCGATTCT	CAATTAAGCC	CTACTGTTGA	GCGTTGGCTT	TATACTGGTA	3780
3781	AGAATTGTGA	TAACGCATAT	GATACTAAAC	AGGCTTTTTC	TAGTAATTAT	GATTCCGGTG	3840

FIGURE 4-2

3841	TTTATTCTTA	TTTAACGCCT	TATTTATCAC	ACGGTCGGTA	TTTCAAACCA	TTAAATTTAG	3900
3901	GTCAGAAGAT	GAAGCTTACT	AAAATATATT	TGAAAAAGTT	TTCACGCGTT	CTTTGTCTTG	3960
3961	CGATTGGATT	TGCATCAGCA	TTTACATATA	GTTATATAAC	CCAACCTAAG	CCGGAGGTTA	4020
4021	AAAAGGTAGT	CTCTCAGACC	TATGATTTTG	ATAAAATTCAC	TATTGACTCT	TCTCAGCGTC	4080
4081	TTAATCTAAG	CTATCGGTAT	GTTTCAAGG	ATTCTAAGGG	AAAATTAATT	AATAGCGACG	4140
4141	ATTTACAGAA	GCAAGGTTAT	TCACTCACAT	ATATTGATTT	ATGTACTGTT	TCCATTAAAA	4200
4201	AAGGTAATTC	AAATGAAATT	GTTAAATGTA	ATTAATTTTG	TTTTCTTGAT	GTTTGTTC	4260
4261	TCATCTTCTT	TTGCTCAGGT	AATTGAAATG	AATAATTCGC	CTCTGCGCGA	TTTTGTAAC	4320
4321	TGGTATTCAA	AGCAATCAGG	CSAATCCGTT	ATTGTTTCTC	CCGATGTAAA	AGGTACTGTT	4380
4381	ACTGTATATT	CTCTGACGT	TAAACCTGAA	AATCTACGCA	ATTTCTTTAT	TTCTGTTT	4440
4441	CGTGCTAATA	ATTTTGATAT	GSTTGGTTCA	ATTCCTTCCA	TAATTGAGAA	GTATAATCCA	4500
4501	AACAATCAGG	ATTATATTGA	TGAATTGCCA	TCATCTGATA	ATCAGGAATA	TGATGATAAT	4560
4561	TCCGCTCCTT	CTGGTGGTTT	CTTTGTTC	CAAAATGATA	ATGTTACTCA	AACCTTTTAA	4620
4621	ATTAATAACG	TTCCGGGCAAA	GGATTAAATA	CGAGTTGTCG	AATTGTTTGT	AAAGTCTAAT	4680
4681	ACTTCTAAAT	CCTCAAATGT	ATTATCTATT	GACGGCTCTA	ATCTATTAGT	TGTTAGTGCA	4740
4741	CCTAAAGATA	TTTAGATAA	CCTTCTCAA	TTCTTTCTA	CTGTTGATTT	GCCAACTGAC	4800
4801	CAGATATTGA	TTGAGGGTTT	GATATTGAG	GTTACAGCAAG	GTGATGCTTT	AGATTTTTC	4860
4861	TTTGCTGCTG	GCTCTCAGCG	TGSCACTGTT	GCAGGCGGTG	TTAATACTGA	CCGCTCACC	4920
4921	TCTGTTTTAT	CTTCTGCTGG	TGTTCTGTTT	GGTATTTT	ATGGCGATGT	TTTAGGGCTA	4980
4981	TCAGTTCGCG	CATTAAAGAC	TAATAGCCAT	TCAAAAATAT	TGTCTGTGCC	ACGTATTCTT	5040
5041	ACGCTTTCAG	GTGAGAAAGG	TTCTATCTCT	GTGGCCAGA	ATGTCCTTTT	TATTACTGGT	5100
5101	CGTGTGACTG	GTGAATCTGC	CAATGTAAAT	AATCCATTTT	AGACGATTGA	GCGTCAAAAT	5160
5161	GTAGGTATTT	CCATGAGCGT	TTTTCTGTT	GCAATGGCTG	GCGGTAATAT	TGTTCTGGAT	5220
5221	ATTACCAGCA	AGGCCGATAG	TTTGAGTTCT	TCTACTCAGG	CAAGTGATGT	TATTACTAAT	5280
5281	CAAAGAAGTA	TTGCTACAAC	GGTTAATTTG	CGTGATGGAC	AGACTCTTTT	ACTCGGTGGC	5340
5341	CTCACTGATT	ATAAAACAC	TTCTCAAGAT	TCTGGCGTAC	CGTTCTCTGT	TAAATCCCT	5400
5401	TTAATCGGCC	TCCTGTTTAG	CTCCGCTCT	GATTCCAACG	AGGAAAGCAC	GTTATACGTG	5460
5461	CTCGTCAAAG	CAACCATAGT	ACGCGCCCTG	TAGCGGCGCA	TTAAGCGCGG	CGGGTGTGGT	5520
5521	GGTTACGCGC	AGCGTGACCG	CTACACTTGC	CAGCGCCCTA	GCGCCCGCTC	CTTTCGCTTT	5580
5581	CTTCCCTTCC	TTTCTCGCCA	CGTTCCGCGG	CTTCCCGCT	CAAGCTCTAA	ATCGGGGGCT	5640
5641	CCCTTTAGGG	TTCCGATTTA	GTGCTTTACG	GCACCTCGAC	CCCCAAAAAC	TTGATTTGGG	5700
5701	TGATGGTTCA	CGTAGTGGG	CATCGCCCTG	ATAGACGGTT	TTTCGCCCTT	TGACGTGGA	5760
5761	GTCCACGTTT	TTTAATAGTG	GACTCTTGTT	CCAAACTGGA	ACAACACTCA	ACCCTATCTC	5820
5821	GGGCTATTCT	TTTGATTTAT	AAGGGATTTT	GCCGATTTCG	GAACCACCAT	CAAACAGGAT	5880
5881	TTTCGCCCTG	TGGGGCAAAAC	CAGCGTGGAC	CGCTTGCTGC	AACTCTCTCA	GGGCCAGGCG	5940
5941	GTGAAGGGCA	ATCAGCTGTT	GCCCGTCTCG	CTGGTGAAAA	GAAAAACCAC	CCTGGCGCCC	6000
6001	AATACGCAAA	CCGCCTCTCC	CCGCGCGTTG	GCCGATTCAT	TAATGCAGCT	GGCAGGACAG	6060
6061	GTTTCCCCGAC	TGGAAAGCGG	GCAGTGAGCG	CAACGCAATT	AATGTGAGTT	AGCTCACTCA	6120
6121	TTAGGCACCC	CAGGCTTTAC	ACTTTATGCT	TCCGGCTCGT	ATGTTGTGTG	GAATTGTGAG	6180
6181	CGGATAACAA	TTTACACGCG	CAAGGAGACA	GTCATAATGA	AATACCTATT	GCCTACGGCA	6240
6241	GCCGCTGGAT	TGTTATTACT	CGCTGCCCCA	CCAGCCATGG	CCGAGCTCTT	CCCGCCATCT	6300
6301	GATGAGCAGT	TGAAATCTGG	AACTGCCTCT	GTTGTGTGCC	TGCTGAATAA	CTTCTATCCC	6360
6361	AGAGAGGCCA	AAGTACAGTG	GAAGGTGGAT	AACGCCCTCC	AATCGGGTAA	CTCCAGGAG	6420
6421	AGTGTACAG	AGCAGGACAG	CAAGGACAGC	ACCTACAGCC	TCAGGAGCAC	CCTGACGCTG	6480
6481	AGCAAAGCAG	ACTACGAGAA	ACACAAAGTC	TACGCCCTGCG	AAGTCACCCA	TCAGGGCCTG	6540
6541	AGCTCGCCCG	TCACAAAGAG	CTTCAACAGG	GGAGAGTGTT	CTAGAACGCG	TCACTTGGCA	6600
6601	CTGGCCGTCG	TTTTACAACG	TCGTGACTGG	GAAAACCCCTG	GCGTTACCCA	AGCTTAATCG	6660
6661	CCTTGACAGAA	TTCCCTTTTCG	CCAGCTGGCG	TAATAGCGAA	GAGGCCGCGA	CCGATCGCCC	6720
6721	TTCCCAACAG	TTGCGCAGCC	TGAATGGCGA	ATGGCGCTTT	GCCTGGTTTC	CGGCACCAGA	6780
6781	AGCGGTGCGG	GAAAGCTGGC	TGGAGTGCGA	TCTTCTCTGAG	GCCGATACGG	TCGTCGTCCC	6840
6841	CTCAAACCTGG	CAGATGACGG	GTTACGATGC	GCCCCATCTAC	ACCAACGTAA	CCTATCCCCT	6900
6901	TACGGTCAAT	CCGCCGTTTG	TTCCACCGGA	GAATCCGACG	GGTTGTTACT	CGCTCACATT	6960
6961	TAATGTTGAT	GAAAGCTGGC	TACAGGAAGG	CCAGACGCGA	ATTATTTTTG	ATGGCGTTCC	7020
7021	TATTGGTTAA	AAAATGAGCT	GATTAAACAA	AAATTTAACG	CGAATTTTAA	CAAAATATTA	7080
7081	ACGTTTACAA	TTTAAATATT	TGCTTATACA	ATCTTCTGT	TTTTGGGGCT	TTTCTGATTA	7140
7141	TCAACCGGGG	TACATATGAT	TGACATGCTA	GTTTTACGAT	TACCGTTTCAT	CGATTCTCTT	7200
7201	GTTTGCTCCA	GACTCTCAGG	CAATGACCTG	ATAGCCTTTG	TAGATCTCTC	AAAAATAGCT	7260
7261	ACCTCTCTCCG	GCATTAATTT	ATCAGCTAGA	ACGGTTGAAT	ATCATATTGA	TGGTGATTG	7320
7321	ACTGTCTCCG	GCCTTTCTCA	CCCTTTTGAA	TCTTTACCTA	CACATTACTC	AGGCATTGCA	7380
7381	TTTAAATAT	ATGAGGGTTC	TAAAAATTTT	TATCCTTGCG	TTGAAATAAA	GGCTTCTCCC	7440
7441	GCAAAAGTAT	TACAGGGTCA	TAATGTTTTT	GGTACAACCG	ATTTAGCTTT	ATGCTCTGAG	7500
7501	GCTTTATTGC	TTAATTTTGC	TAATTCCTTG	CCTTGCCTGT	ATGATTTATT	GGATGTT	7557

FIGURE 5-1

EX34

	10	20	30	40	50	60	
1	AATGCTACTA	CTATTAGTAG	AATTGATGCC	ACCTTTTCAG	CTCGCGCCCC	AAATGAAAAT	60
61	ATAGCTAAAC	AGGTTATTGA	CCATTTCGGA	AATGTATCTA	ATGGTCAAAC	TAAATCTACT	120
121	CGTTGCGAGA	ATTGGGAATC	AACTGTTACA	TGGAATGAAA	CTTCCAGACA	CCGTACTTTA	180
181	GTTGCATATT	TAAAACATGT	TGAGCTACAG	CACCAGATTC	AGCAATTAAG	CTCTAAGCCA	240
241	TCTGCAAAAA	TGACCTCTTA	TCAAAAGGAG	CAATTAAAGG	TACTCTCTAA	TCCTGACCTG	300
301	TTGGAGTTTG	CTTCCGGTCT	GGTTCGCTTT	GAAGCTCGAA	TAAAAACGCG	ATATTGGAAG	360
361	TCTTTCGGGC	TTCCTCTTAA	TCTTTTTSAT	GCAATCCGCT	TGCTTCTGA	CTATAATAGT	420
421	CAGGGTAAAG	ACCTGATTTT	TGATTATATG	TCATTCTCGT	TTTCTGAACT	GTTTAAAGCA	480
481	TTTGAGGGGG	ATTCAATGAA	TATTTATGAC	GATTCCCGAG	TATTGGACGC	TATCCAGTCT	540
541	AAACATTTTA	CTATTACCCC	CTCTGGCAAA	ACTTCTTTTG	CAAAAGCCTC	TCGCTATTTT	600
601	GGTTTTTATC	GTCTGCTGGT	AAACGAGGGT	TATGATAGTG	TGCTCTTAC	TATGCCTCGT	660
661	AATTCCTTTT	GGCGTTATGT	ATCTGCATTA	GTTGAATGTG	GTATTCCTAA	ATCTCAACTG	720
721	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT	CCGTTAGTTC	GTTTTATTAA	CGTAGATTTT	780
781	TCTTCCCAAC	GTCTGACTG	GTATAATGAG	CCAGTTCCTA	AAATCGCATA	AGGTAATTC	840
841	CAATGATTAA	AGTTGAAATT	AAACCATCTC	AAGCCCAATT	TACTACTCGT	TCTGGTGT	900
901	CTCGTCAGGG	CAAGCCTTAT	TCACTGAATG	AGCAGCTTTG	TTACGTTGAT	TGGGTAATG	960
961	AATATCCGGT	TCTTGTCAAG	ATTACTCTTG	ATGAAGGTCA	GCCAGCCTAT	GCGCCTGGTC	1020
1021	TGTACACCGT	TCATCTGTCC	TCTTTCAAAG	TTGGTCAGTT	CGGTTCCCTT	ATGATTGACC	1080
1081	GTCTGCGCCT	CGTTCCGGCT	AACTAACATG	GAGCAGGTCT	CGGATTTCGA	CACAATTTAT	1140
1141	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTCGCGC	TGGTATAAT	CGCTGGGGGT	1200
1201	CAAAGATGAG	TGTTTTAGTG	TATTTCTTCG	CCTCTTTCTG	TTTAGGTTGG	TGCCTTCGTA	1260
1261	GTGGCATTAC	GTATTTTACC	CGTTTAATGG	AACTTCTCTC	ATGAAAAAGT	CTTTAGTCTT	1320
1321	CAAAGCCTCT	GTAGCCGTTG	CTACCCCTCG	TCCGATGCTG	TCTTTCGCTG	CTGAGGGTGA	1380
1381	CGATCCCCGA	AAAGCGGCCT	TTAACTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCGGTTA	1440
1441	TGCGTGGGCG	ATGGTTGTTG	TCATTGTCTG	CGCAACTATC	GGTATCAAGC	TGTTTAAGAA	1500
1501	ATTACCTTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAA	GGCTCCTTTT	GGAGCCTTTT	1560
1561	TTTTTGAGAG	TTTTCACGTT	GAAAAAATTA	TTATTCGCCA	TTCCTTTAGT	TGTTCTTTTC	1620
1621	TATTTCTACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AACCCCATAC	AGAAAAATTC	1680
1681	TTTACTAACG	TCTGGAAGAG	CGACAAAAC	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT	1740
1741	CTGTGGAATG	CTACAGCGCT	TGTAGTTTGT	ACTGGTGACG	AAACTCAGTG	TTACGGTACA	1800
1801	TGGGTTCTTA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA	GGGTGGCGGT	1860
1861	TCTGAGGGTG	GCGTTCTGTA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT	1920
1921	ATTCGGGGCT	ACGTTATAT	CAACCCTCTC	GACGGCACTT	ATCCGCTTGG	TACTGAGCAA	1980
1981	AACCCCGCTA	ATCCTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTTT	2040
2041	CAGAAATAATA	GGTTCCGAAA	TAGGCAGGGG	GCATTAACCTG	TTTATACGGG	CACTGTTACT	2100
2101	CAAGGCACCTG	ACCCCGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC	AAAAGCCATG	2160
2161	TATGACGCTT	ACTGGAACGG	TAAATTCAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220
2221	GATCCATTTCG	TTTGTGAATA	TCAAGGCCAA	TCGTCTGACC	TGCCTCAACC	TCCTGTCAAT	2280
2281	GCTGGCGGCG	GCTCTGGTGG	TGGTCTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340
2341	GGCGGTTCTG	AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTTCCGGT	2400
2401	GATTTTGATT	ATGAAAAGAT	GGCAAACGCT	AATAAGGGGG	CTATGACCGA	AAATGCCGAT	2460
2461	GAAAACGCGC	TACAGTCTGA	CGCTAAAGCG	AAACTTGATT	CTGTCGCTAC	TGATTACGGT	2520
2521	GCTGCTATCG	ATGGTTTCAT	TGGTGACGTT	TCCGGCCCTT	CTAATGGTAA	TGGTGCTACT	2580
2581	GGTGATTTTG	CTGGCTCTAA	TTCCCAAATG	GCTCAAGTCG	GTGACGGTGA	TAATTCACCT	2640
2641	TTAATGAATA	ATTTCCGTCA	ATATTTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTCGCCCT	2700
2701	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTCTATTG	ATTGTGACAA	AATAAACTTA	2760
2761	TTCCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTTGCCACCT	TTATGTATGT	ATTTTCTACG	2820
2821	TTTGCTAACA	TACTGCGTAA	TAAAGAGTCT	TAATCATGCC	AGTTCTTTTG	GGTATTCCGT	2880
2881	TATTATTGCG	TTTCTCCGGT	TTCTTCTG	TAACCTTTGTT	CGGCTATCTG	CTTACTTTTC	2940
2941	TTAAAAAGGG	CTTCGGTAAG	ATAGCTATTG	CTATTTTCATT	GTTTCTTGCT	CTTATTATTG	3000
3001	GGCTTAACCT	AATTCTTGTT	GGTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT	3060
3061	TTGTTTCAGG	TGTTTCAGTTA	ATTCTCCCGT	CTAATGCGCT	TCCCTGTTTT	TATGTTATT	3120
3121	TCTCTGTAAA	GGCTGCTATT	TTCAATTTTG	ACGTTAAACA	AAAAATCGTT	TCTTATTTGG	3180
3181	ATTGGGATAA	ATAATATGCG	TGTTTATTTT	GTAACCTGCA	AATTAGGCTC	TGGAAGACG	3240
3241	CTCGTTAGCG	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT	3300
3301	CTTGATTTAA	GGCTTCAAAA	CCTCCCGCAA	GTCCGGAGGT	TCGCTAAAAC	GCCTCGCGTT	3360
3361	CTTAGAATAC	CGGATAAGCC	TTCTATATCT	GATTTGCTTG	CTATTGGGCG	CGGTAATGAT	3420
3421	TCCTACGATG	AAAATAAAAA	CGGCTTGCTT	GTTCTCGATG	AGTGGCGTAC	TTGGTTTAAT	3480
3481	ACCCGTTCTT	GGAATGATAA	GGAAGACAG	CCGATTATTG	ATTGGTTTCT	ACATGCTCGT	3540
3541	AAATTAGGAT	GGGATATTAT	TTTTCTTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG	3600
3601	CGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTCGTCGTC	TGGACAGAAAT	TACTTTACCT	3660
3661	TTTGTCCGTA	CTTTATATTC	TCTTATTACT	GGCTCGAAAA	TGCCTCTGCC	TAAATTACAT	3720
3721	GTTGGCGTTG	TTAAATATGG	CGATTCTCAA	TTAAGCCCTA	CTGTTGAGCG	TTGGCTTTAT	3780
3781	ACTGGTAAGA	ATTGTATATA	CGCATATGAT	ACTAAACAGG	CTTTTCTAG	TAATTATGAT	3840

FIGURE 5-2

3841	TCCGGTGT	TTCTTAT	AACGCC	TTAT	TATCAC	ACG	GTCGGT	ATTT	CAAACC	ATTA	3900	
3901	AATTTAGG	TC	AGAAGAT	GAA	GCTT	ACTAAA	ATAT	ATTT	GAA	AAAAGT	TTTC	3960
3961	TGCTTTCG	GA	TTGGATT	TTC	ATCAGC	ATTT	ACAT	ATAG	TT	ATATA	ACCCA	4020
4021	GAGGTTAAA	A	AGGTAG	TCTC	TCAGAC	CTAT	GATTT	GATA	AATTC	ACTAT	TGACT	4080
4081	CAGCGTCT	TA	ATCTA	AGCTA	TCGCT	ATGTT	TTCA	AGGAT	CTA	AGGGAA	ATTA	4140
4141	AGCGACG	ATT	TACAGA	AGCA	AGGTT	ATTCA	CTCA	CATATA	TTG	ATTTAT	G	4200
4201	ATTA	AAAAA	AG	GTAATT	CAAA	TGAA	ATTG	TT	AAAT	GTAAT	AATTT	4260
4261	TGTTTCAT	CA	TCTTCT	TTTC	CTCAGG	TAA	TGAA	ATGA	AT	AATTC	CGCTC	4320
4321	TGTA	ACTTGG	TATTC	AAAGC	AATCAG	GCGA	ATCC	GTTAT	GTTT	CTCCG	ATGTA	4380
4381	TACTGTT	ACT	GTATAT	TCAT	CTGACG	TTAA	ACCT	GAAAA	CTAC	GCAAT	TCTTT	4440
4441	TGTTTTAC	GT	GCTA	ATAAT	TTGAT	ATGGT	TGTT	CAAT	CCTT	CCATA	TTCA	4500
4501	TAATCC	AAAC	AATCAG	GATT	ATATT	GATGA	ATTG	CCAT	CA	TCTG	ATAAT	4560
4561	TGATA	AATTC	GCTC	CTTCTG	GTGGT	TTCTT	TGTT	CCGCA	AATG	ATAAT	G	4620
4621	TTTT	AAAAAT	AATA	ACGTT	GCGCA	AAAGGA	TTTA	ATACGA	GTTG	TGCAAT	TGTT	4680
4681	GTCTA	ATACT	TCTAA	ATCCT	CAAT	GTATT	ATCT	ATTG	AC	GGCT	CTAAT	4740
4741	TAGTGC	ACCT	AAAGAT	ATTT	TAGATA	ACCT	TCCT	CAAT	CT	TTTCT	ACTG	4800
4801	AACTG	ACCAG	ATATT	GATTG	AGGGT	TTGAT	ATTG	AGGTT	CAGC	AAAGTG	ATGCT	4860
4861	TTTT	TCATTT	GCTG	CTGGCT	CTCAGC	GCTGG	CAC	TGTTG	CA	GGCGG	TGTTA	4920
4921	CCTC	ACCTCT	GTTTT	ATCTT	CTGCT	GTTGG	TTCG	TTCGGT	ATTTT	TAATG	GCGAT	4980
4981	AGGG	CTATCA	GTT	CGCGCAT	TAAAG	ACTAA	TAGC	CAAT	CA	AAAAT	ATTGT	5040
5041	TATCT	TTACG	CTTT	CAGGTC	AGAAG	GTTTC	TATC	TCTGT	GGCC	CAGAA	TG	5100
5101	TACTG	STCGT	GTG	ACTG	GTG	AATCT	GGCA	AAT	TA	AAAT	AAT	5160
5161	TCAA	AATGTA	GGT	ATTTCC	TGAG	CGTTTT	TCCT	GTTG	CA	ATGG	CTGG	5220
5221	TCTG	GATATT	ACC	AGCAAGG	CCGAT	AGTTT	GAGT	TCTT	CT	CAGG	CA	5280
5281	TACTA	ATCA	AGA	AGTATTG	CTACA	ACGGT	TAAT	TGCGT	GATG	GACAGA	CTCT	5340
5341	CGGTG	GCCTC	ACTG	ATTATA	AAA	CACTTC	TCA	AGATT	CT	GGCGT	ACCCT	5400
5401	AATCC	CTTTA	ATCGG	CTCTC	TGTT	AGCTC	CCG	CTCT	GAT	TCCA	ACGAGG	5460
5461	ATACG	TGCTC	GTCA	AAAGCA	CCAT	AGTACG	CGCC	CTGT	AG	CGGCG	CATTA	5520
5521	GTG	TGGTGGT	TACG	CGCAGC	GTG	ACCGCTA	CAC	TG	CCAG	CGCC	TAGCG	5580
5581	TCG	CTTTCTT	CCCT	TCTCTT	CTC	CGCCACGT	TCG	CCG	GCTT	TCC	CGTCAA	5640
5641	GGGG	CTCCCC	TTTAGG	GTTTC	CGATT	TAGTG	CTTT	ACGGCA	CCT	CGAC	CCCC	5700
5701	ATTT	TGGGTGA	TGGT	TCACGT	AGT	GGGCCAT	CGCC	CTGATA	GAC	GGT	TTTTT	5760
5761	CGTT	GAGTGC	CACG	TCTTT	AAT	AGTGGAC	TCT	TGTTCC	AACT	GGAACA	ACACT	5820
5821	CTAT	CTCGG	CTAT	TCTTTT	GATT	TATAAG	GGAT	TTTGCC	GATT	TCGGAA	CCACC	5880
5881	ACAGG	ATTTT	CCCT	TGCTGG	GGCA	AAACCAG	CGTG	GACCGC	TTG	CTGCAAC	TCTCT	5940
5941	CCAGG	CGGTG	AAGG	GCAATC	AGCT	GTTGCC	CGT	CTCGCTG	GTG	AAAAGAA	AAACC	6000
6001	GGCG	CCCCAAT	ACG	CAAAACCG	CCT	CTCCCCG	CGCG	TGGCC	GATT	CATTAA	TGCAG	6060
6061	ACG	ACAGGTT	TCCCG	ACTGG	AAAG	CGGGCA	GTG	AGCGCA	CGCA	AAATTAAT	GTGAG	6120
6121	TCAC	CTATTA	GGC	ACCCAG	GCTT	TACACT	TTAT	GCTTCC	GGCT	CGTATG	TTGT	6180
6181	TTGT	GAGCGG	ATA	CAATTT	CAC	ACGCGTC	ACT	TGGCACT	GGCG	CTCGTT	TTACA	6240
6241	GTG	ACTGGGA	AAAC	CCTGGC	GTT	ACCCAAAG	CTT	TGTACAT	GGAG	AAAAATA	AAGT	6300
6301	AAG	CACTATT	GCAC	TGGCAC	TCTT	ACCGTT	ACT	GTTTACC	CCT	GTGGCAA	AAGCC	6360
6361	CCAG	CTGCTC	GAGT	CGGTCT	TCCC	CTGGC	ACCC	TCTCTC	AAG	AGCACCT	CTGGG	6420
6421	AGCG	CCCTG	GGCT	GCCTGG	TCA	AGACTAA	TTCC	CCGAAC	CGGT	GACGGT	GTGCT	6480
6481	TCAGG	CGCCCC	TGAC	CAGCGG	CGT	GCACACC	TTCC	CGGCTG	TCCT	ACAGTC	CTCAG	6540
6541	TACT	CCCTCA	GCAG	CGTGGT	GACCG	TGCC	TCC	AGCAGCT	TGGG	CACCCA	GACCT	6600
6601	TGCA	ACGTGA	ATCA	CAAGCC	CAGCA	ACACC	AAGT	TGGACA	AGAA	AGCAGA	GCCCA	6660
6661	TGT	ACTAGTG	GAT	CTACCC	GTACG	ACGTT	CCG	ACTAGC	CTT	CTTAGGC	TGAAG	6720
6721	GACC	CTGCTA	AGG	CTGCATT	CAAT	AGTTTA	CAGG	CAAGTG	CTAC	TAGTA	CATT	6780
6781	GCTT	GGGCTA	TGGT	AGTAGT	TAT	AGTTGGT	GCT	ACCATAG	GGAT	TAAAT	ATTC	6840
6841	TTT	ACGAGCA	AGG	CTTCTTA	AGCA	ATAGCG	AAG	AGGCCCCG	CACCG	ATCCG	CCTT	6900
6901	AGTT	GCGCAG	CCT	GAATGGC	GAAT	GCGCGT	TTG	CCTGGT	TCCG	GACCA	GAAG	6960
6961	CGGA	AAGCTG	GCTG	GAGTGC	GAT	CTTCTG	AGG	CCGATAC	GGT	CGTCTC	CCCT	7020
7021	GGC	AGATGCA	CGGT	TACGAT	GCG	CCCCATCT	ACAC	CAACGT	AAC	CTATCCC	ATTAC	7080
7081	ATCC	CGCGTT	TGTT	CCCCAG	GAGA	ATCCGA	CGG	TGTTA	CTCG	CTCACA	TTTA	7140
7141	ATGA	AAGCTG	GCT	ACAGGAA	GGCC	AGACGC	GAAT	TATTTT	TGAT	GGCGTT	CCTAT	7200
7201	AAAA	AATGAG	CTG	ATTTAAC	AAAA	ATTTAA	CGC	GAATTTT	AAC	AAAAATAT	TAAC	7260
7261	AATTT	AAATA	TTTG	CTTATA	CAAT	CTTCTCT	GTTT	TG	GGG	CTTTCT	GTAT	7320
7321	GGT	ACATATG	ATT	GACATGC	TAGT	TTTTACG	ATT	ACCGTTC	ATCG	ATTCTC	TGTT	7380
7381	CAG	ACTCTCA	GGCA	ATGACC	TGAT	AGCCTT	TG	TAGATCTC	TCA	AAAAATAG	CTAC	7440
7441	CGG	CATTAAT	TTAT	CAGCTA	GAAC	GCGTTGA	TAC	ACATTAC	TCAGG	CATTG	CAAT	7500
7501	CGG	CTTTCT	CAC	CTTTTG	AAT	CTTTTACC	CGT	TGAAATA	AAGG	CTTCTC	CCGCA	7560
7561	ATAT	GAGGGT	TCTA	AAAAAT	TTT	ATCTCTTG	CGAT	TTAGCT	TTAT	GCTCTG	AGGCT	7620
7621	ATT	ACAGGGT	CATA	ATGTTT	TTG	TGTAACAAC	GTAT	GATTTA	TTG	GACGTT		7680
7681	GCTT	AATTTT	GCTA	ATTTCT	TGC	CTTGCCCT						7720

FIGURE 6-1

ix60

	10	20	30	40	50	60
1	AATGCTACTA	CTATTAGTAG	AATTGATGCC	ACCTTTTCAG	CTCGCGCCCC	AAATGAAAAT 60
61	ATAGCTAAAC	AGGTTATTGA	CCATTTCGCA	AATGTATCTA	ATGGTCAAAC	TAAATCTACT 120
121	CGTTTCGCAGA	ATTGGGAATC	AACTGTTACA	TGGAATGAAA	CTTCCAGACA	CCGTACTTTA 180
181	GTTGCATATT	TAAACATGT	TGAGCTACAG	CACCAGATTC	AGCAATTAAG	CTCTAAGCCA 240
241	TCTGCAAAAA	TGACCTCTTA	TCAAAAGGAG	CAATTAAAGG	TACTCTCTAA	TCCTGACCTG 300
301	TTGGAGTTTG	CTTCCGGTCT	GGTTCGCTTT	GAAGCTCGAA	TAAAACGCG	ATATTTTGAAG 360
361	TCTTTCGGGC	TTCCTCTTAA	TCTTTTGAT	GCAATCCGCT	TTGCTTCTGA	CTATAATAGT 420
421	CAGGTAAG	ACCTGATTTT	TGATTTATGG	TCATTCTCGT	TTTCTGAACT	GTTTAAAGCA 480
481	TTTGAGGGGG	ATTCAATGAA	TATTTATGAC	GATTCCGCG	TATTGGACGC	TATCCAGTCT 540
541	AAACATTTTA	CTATTACCCC	CTCTGGCAAA	ACTTCTTTTG	CAAAAGCCTC	TCGCTATTTT 600
601	GGTTTTTATC	GTCGCTCGT	AAACGAGGGT	TATGATAGTG	TTGCTCTTAC	TATGCCCTCGT 660
661	AATTCCTTTT	GGCGTTATGT	ATCTGCATTA	GTTGAATGTG	GTATTCCTAA	ATCTCAACTG 720
721	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT	CCGTTAGTTC	GTTTTATTAA	CGTAGATTTT 780
781	TCTTCCCAAC	GTCCTGACTG	GTATAATGAG	CCAGTTCTTA	AAATCGCATA	AGGTAATTCA 840
841	CAATGATTAA	AGTTGAAATT	AAACCATCTC	AAGCCCAATT	TACTACTCGT	TCTGGTGTTC 900
901	CTCGTCAGGG	CAAGCCTTAT	TCATGAATG	AGCAGCTTTG	TTACGTTGAT	TTGGGTAATG 960
961	AATATCCGGT	TCTGTCAAAG	ATTACTCTTG	ATGAAGGTCA	GCCAGCCTAT	GCGCCTGGTC 1020
1021	TGTACACCGT	TCATCTGTCC	TCTTTCAAAG	TTGGTCAGTT	CGGTTCCCTT	ATGATTGACC 1080
1081	GTCTGCGCCT	CGTTCGGGCT	AAGTAACATG	GAGCAGGTGC	CGGATTTTCA	CACAATTTAT 1140
1141	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTCGCGC	TTGGTATAAT	CGCTGGGGGT 1200
1201	CAAAGATGAG	TGTTTTAGTG	TATTTCTTCG	CCTCTTTCGT	TTTAGGTTGG	TGCCTTCGTA 1260
1261	GTGGCATTAC	GTATTTTACC	CGTTTAATGG	AAACTTCCCTC	ATGAAAAAGT	CTTTAGTCCT 1320
1321	CAAGCCTCT	GTAGCCGTTG	CTACCCTCGT	TCCGATGCTG	TCTTTCGCTG	CTGAGGGTGA 1380
1381	CGATCCCGCA	AAAGCGGCGT	TTAACTCCCT	GCAAGCCTCA	GCGACEGAAT	ATATCGGTGA 1440
1441	TGCGTGGGCG	ATGGTTGTTG	TCATTGTCCG	CGCAACTATC	GGTATCAAGC	TGTTTAAGAA 1500
1501	ATTCACTTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAA	GGCTCCTTTT	GGAGCCTTTT 1560
1561	TTTTTGAGA	TTTCAACGT	GAAAAAATTA	TTATTCGCAA	TTCTTTTAGT	TGTTCCTTTC 1620
1621	TATTCCTACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AACCCCATAC	AGAAAAATCA 1680
1681	TTTACTAACG	TCTGGAAGA	CGACAAAAC	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT 1740
1741	CTGTGGAATG	CTACAGGCGT	TGTAGTTTGT	ACTGGTGACG	AAACTCAGTG	TTACGGTACA 1800
1801	TGGGTTCCTA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA	GGGTGGCGGT 1860
1861	TCTGAGGGTG	GCGGTTCTGA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT 1920
1921	ATTCCGGGCT	ATACCTTATAT	CAACCTCTC	GACGGCACTT	ATCCGCTTGG	TACTGAGCAA 1980
1981	AACCCCGCTA	ATCCTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCTAGTTT 2040
2041	CAGAAATAA	GGTTCCGAAA	TAGGCAGGGG	GCATTAACCT	TTTATACGGG	CACTGTTACT 2100
2101	CAAGGCACCT	ACCCCGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC	AAAAGCCATG 2160
2161	TATGACGCTT	ACTGGAACGG	TAAATTCAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA 2220
2221	GATCCATTCC	TTTGTGAATA	TCAAGGCCAA	TCGTCTGACC	TGCCCTCAACC	TCCTGTCAAT 2280
2281	GCTGGCGGCG	GCTCTGGTGG	TGGTTCTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT 2340
2341	GGCGGTTCTG	AGGGTGGGCG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTTCCGGT 2400
2401	GATTTTGATT	ATGAAAAGAT	GGCAAAACGCT	AATAAGGGGG	CTATGACCGA	AAATGCCGAT 2460
2461	GAAAACGCGC	TACAGTCTGA	CGCTAAAGGC	AAACTTGATT	CTGTGCGTAC	TGATTACGGT 2520
2521	GCTGCTATCG	ATGGTTTTCAT	TGGTGACGTT	TCCGGCCTTG	CTAATGGTAA	TGGTGCTACT 2580
2581	GGTGATTTTG	CTGGCTCTAA	TCCCAAAATG	GCTCAAGTCG	GTGACGGTGA	TAATTCACCT 2640
2641	TTAATGAATA	ATTTCCGTCA	ATATTTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTCGCCCT 2700
2701	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTCTATTG	ATTGTGACAA	AATAAECTTA 2760
2761	TTCCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTTGCCACCT	TTATGTATGT	ATTTTCTACG 2820
2821	TTTGCTAACA	TACTGCGTAA	TAAGGAGTCT	TAATCATGCC	AGTCTTTTGG	GGTATTCCGT 2880
2881	TATTATTGGG	TTTCTCGGT	TCTCTCTGG	TAACCTTTGT	CGGCTATCTG	CTTACTTTTC 2940
2941	TTAAAAAGGG	CTTCGGTAAAG	ATAGCTATTG	CTATTTTCATT	GTTTCTTGCT	CTTATTATTG 3000
3001	GGCTTAACCT	AATCTTGTG	GGTTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT 3060
3061	TTGTTACAGG	TGTTTCAGTTA	ATTCTCCCGT	CTAATGCGCT	TCCCTGTTTT	TATGTTATTG 3120
3121	TCTCTGTAAA	GGCTGCTATT	TTCATTTTGG	ACGTTAAACA	AAAAATCGTT	TCTTATTTTG 3180
3181	ATTGGGATAA	ATAATATGGC	TGTTTATTTT	GTAACCTGCCA	AATTAGGCTC	TGGAAAGACG 3240
3241	CTCGTTAGCG	TTGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT 3300
3301	CTTGATTTAA	GGCTTCAAAA	CCTCCCGCAA	GTCGGGAGGT	TCGCTAAAAC	GCCTCGCGTT 3360
3361	CTTAGAATAC	CGGATAAGCC	TTCTATATCT	GATTTGCTTG	CTATTGGGCG	CGGTAATGAT 3420
3421	TCCTACGATG	AAAATAAAAA	CGGCTTGCTT	GTTCTCGATG	AGTGCGGTAC	TTGGTTTAAT 3480
3481	ACCCGTTCTT	GGAATGATAA	GGAAGACAG	CCGATTATTG	ATTGGTTTCT	ACATGCTCGT 3540
3541	AAATTAGGAT	GGGATATTAT	TTTTCTTGT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG 3600
3601	CGTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTCGTCGTC	TGGACAGAAT	TACTTTACCT 3660
3661	TTTGCTGGTA	CTTTATATTG	TCTTATTACT	GGCTCGAAAA	TGCCCTCTGC	TAAATTACAT 3720
3721	GTTGGCGTTG	TTAAATATGG	CGATTCTCAA	TTAAGCCCTA	CTGTTGAGCG	TTGGCTTTAT 3780
3781	ACTGGTAAGA	ATTTGTATAA	CGCATATGAT	ACTAAACAGG	CTTTTCTAG	TAATTATGAT 3840

FIGURE 6-2

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3841	TCCGGTGT	TTTCTTAT	AACGCCCT	TATACACAG	GTCGGTAT	CAAACCATT	3900
3901	AATTTAGG	AGAAGATG	GCTTACTAAA	ATATATTGA	AAAAGTTTC	ACGCGTCT	3960
3961	TGTCTTSC	TGGATTTC	ATCAGCAT	ACATATAG	ATATAACCA	ACCTAAGCC	4020
4021	GAGGTTAAA	AGGTAAGT	TCAGACCT	GATTTTGAT	AATTCATAT	TGACTCTTC	4080
4081	CAGCGTCT	ATCTAAGC	TGCTATGT	TTCAAGGAT	CTAAGGGAA	ATTAATTA	4140
4141	AGCGACGAT	TACAGAAG	AGGTATTCA	CTCACATAT	TTGATTATG	TACTGTTCC	4200
4201	ATTAATAAA	GTAATTCAA	TGAAATTGT	AAATGTAAT	AATTTGTTT	TCTTGATGT	4260
4261	TGTTTCAT	TCTTCTTT	CTCAGGTA	TGAAATGA	AATTCGCC	TGGCGGAT	4320
4321	TGTAACCT	TATTCAAAG	AATCAGGC	ATCCGTTAT	GTTTCTCCC	ATGTAAGG	4380
4381	TACTGTACT	GTATATTC	CTCAGTTAA	ACCTGAAAT	CTACGCAAT	TCTTTATTC	4440
4441	TGTTTTAC	GCTAATAAT	TTGATATGT	TGGTTCAAT	CCTTCCATA	TTCAGAAG	4500
4501	TAATCCAA	AATCAGGAT	ATATTGAT	ATTGCCAT	CTGATAAT	AGGAATAT	4560
4561	TGATAATT	GCTCCTTC	TGCTTTCT	TGTTCCGCA	AATGATAAT	TACTCAAAC	4620
4621	TTTTAAAT	AATAACGT	GCGCAAGGA	TTTAATAC	GTTGCGAAT	TGTTTGTA	4680
4681	GTCTAATA	TCTAATCT	CAATGTAT	ATCTATTG	GGCTCTAAT	TATTAGTT	4740
4741	TAGTGCAC	TAAGATATT	TAGATAAC	TCCTCAAT	CTTCTACT	TTGATTGCC	4800
4801	AACAGACC	ATATTGAT	AGGTTTGT	ATTGAGGT	CAGCAAGGT	ATGOTTAGA	4860
4861	TTTTCAIT	GCTGCTGG	CTCAGCGT	CAGTGTGCA	GCGCGTGT	ATACTGACC	4920
4921	CCTCACCT	GTTTATCT	CTGCTGGT	TTGTTCCGT	ATTTTAAT	GCGATGTTT	4980
4981	AGGGCTAT	GTCGCGAT	TAAAGACT	TAGCCATT	AAAAATAT	CTGTGCCAC	5040
5041	TATTCTTAG	CTTCAGGT	AGAAGGGT	TATCTCTGT	GCGCAGAT	TCCCTTTAT	5100
5101	TACTGGTCT	GTGACTGG	AATCTGCC	TGTAATAAT	CCATTTCAG	CGATTGAG	5160
5161	TCAAAATG	GGTATTTCC	TGAGCGTT	TCTCTGTG	ATGGCTGG	GTAATATT	5220
5221	TCTGATAT	ACCAGCAAG	CCATAGTT	GAGTTCTCT	ACTCAGGCA	GTGATGTT	5280
5281	TACTAATCA	AGAAGTAT	CTACAACG	TAATTGCGT	GATGGACAG	CTCTTTACT	5340
5341	CGGTGGCCT	ACTGATTAT	AAAAACAT	TCAAGATT	GCGCTACCG	TCTGTCTAA	5400
5401	AATCCCTTA	ATCGGCTCC	TCTTAGCT	CCGCTCTGT	TCCAACGAG	AAAGCAGCT	5460
5461	ATACGTGCT	GTCAAAGCA	CCATAGTAG	CGCCCTGT	GCGCGCAT	AGCGCGCG	5520
5521	GTGTGGTGT	TACGCGCAG	GTGACCGTA	CAGTTGCC	CGCCCTAG	CCCGCTCT	5580
5581	TGCGTTCT	CCCTTCCT	CTCGCCAG	TGCGCGGT	TCCCGTCA	GCTCTAAT	5640
5641	GGGGGCTCC	TTAGGGTT	CGATTAGT	CTTACGGCA	CCTCGACCC	AAAAACTTG	5700
5701	ATTGGGTGA	TGGTTCAG	AGTGGCCAT	CGCCCTGAT	GACGGTTTT	CGCCCTTGA	5760
5761	CGTTGGAGT	CAGGTTCT	AATAGTGG	TCTTGTCCA	AACCTGAA	ACACTCAAC	5820
5821	CTATCTCGG	CTATTCTTT	GATTATAAG	GGATTTTGC	GATTTCGGA	CCACCATCA	5880
5881	ACAGGATTT	CGCTGCTGG	GGCAACCC	CGTGGACCG	TTGCTGCA	TCTCTCAG	5940
5941	CCAGGCGGT	AAGGGCAAT	AGCTGTTGC	CGTCTCGTG	GTGAAAGAA	AAACCACCT	6000
6001	GGCGCCCA	ACGCAACCC	CCTCTCCCG	CGCGTTGG	GATTCAAT	TGCAGCTGG	6060
6061	ACGACAGGT	TCCGACTGG	AAAGCGGCA	GTGAGCGCA	CGCAATTA	GTGAGTTAG	6120
6121	TCACTCATT	GGCACCCAG	GCTTTACAT	TTATGCTTC	GGCTCGTAT	TGTGTGGAA	6180
6181	TTGTGAGCG	ATAACAATT	CACACGCCA	GGAGACAGT	ATAATGAA	ACCTATTGC	6240
6241	TACGGCAGC	GCTGGATT	TATTACTCG	TGCCCAACA	GCCATGGCC	AGCTCTTCC	6300
6301	GCCATCTGT	GAGCAGTT	AATCTGGA	TGCTCTGTT	GTGTGCTGC	TGAATAACT	6360
6361	CTATCCAGA	GAGGCCAAG	TACAGTGG	GGTGGATA	GCCCTCCA	CGGGTAAC	6420
6421	CCAGGAGAG	GTACAGAG	AGGACAGCA	GGACAGCAC	TACAGCCT	CGACGACCT	6480
6481	GACGCTGAG	AAAGCAGCT	ACGAGAAAC	CAAAGTCT	GCTTCCGAA	TCACCCAT	6540
6541	GGGCTTGAG	TGCGCCGTC	CAAAGAGCT	CAACAGGGA	GAGTGTCT	GAACGCGT	6600
6601	CTTGGCAGT	GCGGTCGTT	TACAACGTC	TGACTGGGA	AACCTTGG	TACCCAAG	6660
6661	TTGTACATG	GAGAAATA	AGTGAAACA	AGCACTATT	CAGTGGCA	CTTACCGTT	6720
6721	CTGTTACCC	CTGTGGCAA	AGCGGCTCC	ACCAAGGGC	CATCGGTCT	CCCCTGGA	6780
6781	CCCTCTCCA	AGAGCACCT	TGGGGGACA	GCGGCGCT	GCTGCTGG	CAAGACTAA	6840
6841	TCCCGCAAC	GGTGACGT	TGTTGGAAT	CAGGCGCCT	GACCAGCG	GTGCACACT	6900
6901	TCCCGGCTG	CCTACAGTC	TCAGGACT	ACTCCCTCA	GAGCGTGG	ACCGTGCC	6960
6961	CCAGCAGCT	GGGCACCC	ACCTACAT	GCAACGTGA	TCACAAGCC	AGCAACACA	7020
7021	AGGTGGACA	GAAGCAGAG	CCCAATCT	GTACTAGTG	ATCCTACCC	TACGAGGTC	7080
7081	CGGACTACG	TTCTTAGG	GAAGCGAT	ACCTGCTAA	GGCTGCAT	AATAGTTT	7140
7141	AGGCAAGTG	TACTGAGT	ATTGGCTAG	CTTGGGCT	GGTAGTAG	ATAGTTGG	7200
7201	CTACCATAG	GATTAATA	TTCAAAAG	TTACGAGCA	GCTTCTTA	GCAATAGCG	7260
7261	AGAGGCCCG	ACCGATCG	CTTCCCAAC	GTTGCGCAG	CTGAATGG	AATGGCGCT	7320
7321	TGCTGCTTT	CCGGCACAG	AAGCGGTGC	GGAAAGCT	CTGGAGTGG	ATCTTCCT	7380
7381	GGCGGATAG	GTCGTCGT	CCTCAAAC	GCAGATGC	GGTTACGAT	CGCCCATCT	7440
7441	CACCAACGT	ACCTATCCA	TTACGGTCA	TCCGCCGTT	GTTCCACGG	AGAATCCG	7500
7501	GGGTGTTAC	TGCTCACAT	TTAATGTT	TGAAAGCT	CTACAGGA	GCCAGACGG	7560
7561	AATTATTTT	GATGGCGTC	CTATTGGTT	AAAAATGAG	TGATTAAAC	AAAAATTA	7620
7621	GCGAATTTT	ACAAAATAT	AACGTTTAC	ATTTAAAT	TGCTTATAC	AATCTTCT	7680
7681	TTTTTGGGG	TTTTCTGAT	ATCAACGG	GTACATAT	TTGACATGT	AGTTTACGA	7740
7741	TTACCGTTA	TGATTCTCT	TGTTTGTCT	AGACTCTCA	GCAATGAC	GATAGCCT	7800
7801	GTAGATCT	CAAAAATAG	TACCCTCT	GGCATTAAT	TATCAGCT	AACGGTTGA	7860
7861	TATCATATT	ATGCTGATT	GACTGTCT	GGCTTTCT	ACCTTTTGA	ATCTTACCT	7920
7921	ACACATTACT	CAGGCATTG	ATTTAAATA	TATGAGGTT	CTAAAAAT	TTATCCTTC	7980
7981	GTTGAAATA	AGGCTTCT	CGCAAAAG	TTACAGGG	ATAATGTT	TGGTACAAC	8040
8041	GATTTAGCT	TATGCTCTG	GGCTTTATT	CTTAATTTT	CTAATCTTT	GCTTGCCT	8100
8101	TATGATTTA	TGGACGTT					8118